

Converting Colors

XYZ(47.7025, 33.9521, 4.8019)

Have a look what the booklet for
XYZ(47.7025, 33.9521, 4.8019)
contains.

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Color

**XYZ(47.7461, 34.0405,
4.8130)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF7516 |
| RGB | 255, 117, 22 |
| RGB Percent | 100%, 46%, 9% |
| CMY | 0.0000, 0.5411, 0.9137 |
| CMYK | 0.00, 0.54, 0.91, 0.00 |
| HSL | 24°, 100%, 54% |
| HSV | 24°, 91%, 100% |
| XYZ | 47.7461, 34.0405, 4.8130 |
| YIQ | 147.4320, 112.7430, -0.2890 |

Conversions

Conversions Part 2

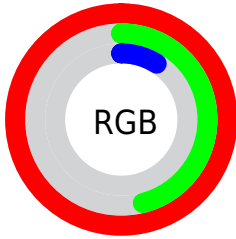
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 182, 22 |
| Decimal | 16741654 |
| CIE Lab | 64.99, 48.35, 68.93 |
| CIE LCh | 65, 84.199, 54.951 |
| Yxy | 34.0405, 0.5513, 0.3931 |
| Android (android.graphics.Color) | 4294931734 (0xFFFF7516) |
| YUV | 147.4320, -61.8380, 94.3371 |
| Hunter-Lab | 58.3442, 43.9733, 35.9499 |

Details

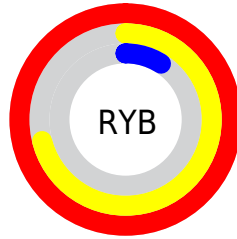
The XYZ color **47.7461, 34.0405, 4.8130** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **30.9506, 32.5302, 99.2547**, and the grayscale version is **28.1293, 29.5943, 32.2281**.

A 20% lighter version of the original color is **57.4405, 51.3442, 14.4724**, and **23.0686, 14.6139, 1.6049** is the 20% darker color. If you saturate the color by 10%, you get **46.1877, 31.1558, 3.5793**, and if you desaturate by 10%, it is **50.0293, 38.0018, 7.4412**.

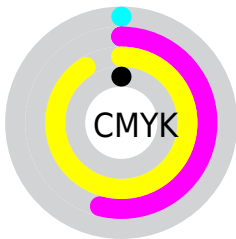
Distribution



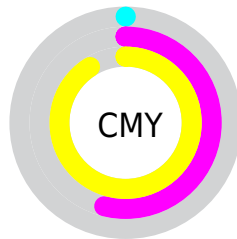
- Red (100%)
- Green (46%)
- Blue (9%)



- Red (100%)
- Yellow (71%)
- Blue (9%)



- Cyan (0%)
- Magenta (54%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7461, 34.0405, 4.8130 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.7461, 34.0405, 4.8130 by changing the saturation by 10% instead.


 47.7461, 34.0405,
4.8130


 47.7461, 34.0405,
4.8130


368.3842,
320.3126, 156.8735


 33.8363, 22.9247,
2.0812


 86.0382, 65.9966,
15.8452


 22.9301, 14.5379,
0.6045


 111.1513, 87.6058,
24.9826


 14.6623, 8.4957,
0.0000


 140.7294,
113.4815, 37.0923

 8.6675, 4.4138,
0.0000

 175.1380,
144.0082, 52.5927

 4.5803, 1.9076,
0.0000

 214.7424,
179.5703, 71.9026


 2.0354, 0.5529,
0.0000


 259.9080,


 0.6537, 0.0000,


220.5521, 95.4403


0.0000


 311.0002,
267.3381, 123.6244


 0.0000, 0.0000,
0.0000

 47.7461, 34.0405,
4.8130


 47.7461, 34.0405,
4.8130


 46.1877, 31.1558,
3.5793

 50.0293, 38.0018,
7.4412

 52.9093, 42.6747,
11.7524

 56.4441, 48.1032,
17.9903

 60.6828, 54.3247,
26.3574

 65.6688, 61.3739,
37.0303

71.4417, 69.2828,
50.1668

78.0380, 78.0817,
65.9108

85.4916, 87.7991,
84.3949

93.8345, 98.4622,
105.7428

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.5588, 34.0405, 15.3662



47.7461, 34.0405, 4.8130



34.4588, 34.0405, 2.3613

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.7461, 34.0405, 4.8130



14.1892, 34.0405, 31.4714



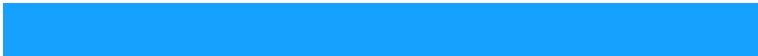
43.2684, 34.0405, 137.1362

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.7461, 34.0405, 4.8130



30.9506, 32.5302, 99.2547

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.3376, 34.0405, 151.9883



47.7461, 34.0405, 4.8130



15.4326, 34.0405, 73.1492

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.7461, 34.0405, 4.8130



16.7248, 34.0405, 10.3555



20.6868, 34.0405, 123.4998



55.5519, 34.0405, 90.4363

Rectangle

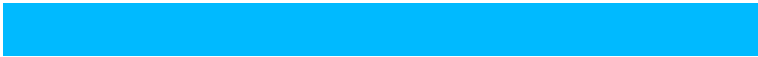
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.7461, 34.0405, 4.8130



26.6830, 34.0405, 2.6966



20.6868, 34.0405, 123.4998



38.7775, 34.0405, 146.8982

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.7468, 34.0424, 4.8136



74.2222, 73.0181, 56.7200



48.0306, 24.4354, 36.2748



15.4189, 15.0013, 11.0356



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.7468, 34.0424, 4.8136



46.1880, 31.1561, 3.5793



70.1566, 78.8620, 12.2835



18.6175, 19.2032, 18.8697



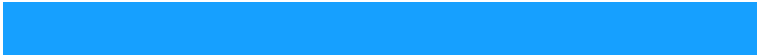
24.2720, 16.5552, 1.9162



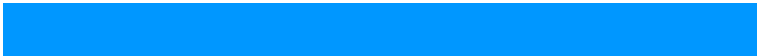
2.4674, 1.8202, 0.2213

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.9506, 32.5302, 99.2547



29.1203, 29.3605, 98.7401



19.3308, 9.2906, 95.3814



17.8974, 19.1664, 23.0061



15.3665, 15.6425, 51.6440



1.6036, 1.7380, 5.0642

Previews

White Background



This preview shows how the XYZ color 47.7461, 34.0405, 4.8130 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.7461, 34.0405, 4.8130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7461, 34.0405, 4.8130

Background



This preview shows how black text looks on a background with the XYZ color 47.7461, 34.0405, 4.8130.



This preview shows how white text looks on a background with the XYZ color 47.7461, 34.0405,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.7461, 34.0405, 4.8130

Protanopia

31.0327, 34.3711, 6.4375

Tritanopia

50.1945, 33.9369, 21.0445

Trichromacy



Original Color

47.7461, 34.0405, 4.8130

Protanomaly

35.6486, 33.1570, 5.6835

Tritanomaly

48.7065, 33.6948, 12.1202

Monochromacy



Original Color

47.7461, 34.0405, 4.8130

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.4521, 29.0067, 16.5115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7461, 34.0405, 4.8130 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 117, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 22)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 117, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 22) }
```

Border

The CSS property to change the border of an element to XYZ 47.7461, 34.0405, 4.8130 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 117, 22) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 117, 22) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 117, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
22) }
```


Background

The CSS property to change the background color of an element to XYZ 47.7461, 34.0405, 4.8130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 22) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
117, 22) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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